

Swiss CE certified coherent optical module 400G



Overview

The QSFP-DD 400G ZR optical transceiver module adopts a 7nm coherent DSP ASIC, narrow linewidth tunable laser, and integrated coherent optical engine to deliver high-performance transmission solutions for customers. These components are often housed within a pluggable module, but at the core lies a device-level architecture built to manipulate and detect phase- and. ZR+, Standard Tx output power (-10dBm), C-band tunable, Pull tab, 0°C to 70°C, LC receptacle The emerging OIF 400ZR and Open ZR+ MSA coherent transceivers in QSFP-DD and OSFP form factors generally have low transmit output power (-10 dBm), making them incompatible with ROADM networks. Consequently. The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing amplified networks, and is available in both C-band and L-band. The module also supports other fiber types, such as hollow-core fibers. Digital diagnostics functions are available via a TWI interface as CMIS specified. The Coherent 400G Finisar Fiber Optic Transceiver.



Article Content

Jul 09, 2026

PSE 100G/400G pluggable coherent optics

Our pluggable coherent optical modules support a variety of data rates, including 100Gb/s and 400Gb/s to enable application optimization based on capacity, distance and port type. The QDCO1 extends

Jan 07, 2026

400G QSFP-DD ZR Coherent Optical Module

The GIGALIGHT 400G QSFP-DD ZR coherent optical module supports 400GE and OTN links reach up to 120km. It operates on full C-band DWDM wavelengths

May 31, 2026

400G ZR/ZR+ OSFP-DCO

Capable of transmitting 400 Gbps over 120 km, Lumentum OSFP 400ZR coherent module features superior OSNR and power consumption in an OIF 400ZR Implementation Agreement and OSFP

Sep 08, 2025

400G Coherent Optical Devices: Architecture, Applications & Trends

Explore the architecture, key technologies, applications, and future trends of 400G coherent optical devices in modern high-speed fiber networks.

Jan 07, 2026

400G ZR/ZR+ OSFP-DCO

Utilizing the latest in house SiPho Coherent Optical Subassembly (COSA) and nano-ITLA, this module delivers superior cost/performance for applications

Jun 01, 2026

Coherent 400G Finisar Fiber Optic Transceiver Modules

Coherent 400G Finisar Fiber Optic Transceiver Modules are designed for use in Gigabit Ethernet links on various applications, some with FEC. The modules offer hot-pluggable QSFP-DD,

Feb 06, 2026

A Closer Look at 400G Coherent CFP2 Module

In this passage, you will discover how the 400G Coherent CFP2-DCO module revolutionizes optical networking with high-capacity, cost-effective, and long-haul data transmission,

May 26, 2026

Juniper CO400 Coherent Optical Transceivers

Juniper's qualified 400G direct-detect and coherent optics unleash bandwidth in metro, edge, core, and data center networks. Our tightly vetted

Jul 30, 2025

QSFP-DD DCO 400G ZR Coherent Transceiver

100G/200G/400G Coherent QSFP-DD DCO ZR Transceiver Module (DWDM C Band 50GHz Grid: 191.15-196.1GHz) The QSFP-DD DCO 400G ZR coherent

Nov 19, 2025

Coherent Samples Low-Noise 400 Mw CW Lasers for

Coherent announced the sampling of its latest high-power 400 mW CW lasers, designed to meet the demanding requirements of next-generation

Oct 18, 2025

400G/300G/200G QSFP-DD Digital Coherent Optics transceiver

The emerging OIF 400ZR and Open ZR+ MSA coherent transceivers in QSFP-DD and OSFP form factors generally have low transmit output power (-10 dBm), making them incompatible with ROADMs

Dec 19, 2025

400G QSFP-DD ZR4 120km Optical Transceiver Module DWDM4

The QSFP-DD 400G ZR optical transceiver module adopts a 7nm coherent DSP ASIC, narrow linewidth tunable laser, and integrated coherent optical engine to deliver high-performance transmission

Jul 06, 2026

400Gb/s QSFP-DD ZR+ Coherent Optical Transceiver

The 400G QSFP-DD ZR+ is a C-Band optical frequency tunable coherent optical module, combines 7nm coherent DSP ASIC functionality with best in class ultra-narrow line-width tunable

May 18, 2026

Cisco 400G Digital Coherent BiDi CFP2 Data Sheet

The Cisco 400G Digital Coherent BiDi CFP2 is mechanically compliant with CFP2 MSA hardware. The CFP2 module contains a PCB with a 104-contact card-edge electrical interface to external

Mar 11, 2026

400G Coherent Optics: Breaking Through Bandwidth

Emerging as a crucial solution for the growing demands of AI and DCI, 400G coherent optical modules offer superior bandwidth, low latency, and

Sep 04, 2025

Coherent Introduces New 2x400G-FR4 Lite Optical

Coherent, a global leader in photonics, has launched its 2x400G-FR4 Lite optical transceiver, a silicon photonics-based module optimized for AI-driven

Sep 07, 2025

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics Module Data

The high performance and low power of the 400G QSFP-DD ULH module make it an optimal choice to extend Routed Optical Networking use cases to regional and ultra-long-haul

Apr 18, 2026

Coherent Optics: 100G, 400G, & Beyond

Insights Coherent Optics: 100G, 400G, & Beyond Ask the community Subscribe White Paper Coherent Optics: 100G, 400G, & Beyond The optical industry is at

Jan 14, 2026

100G/200G/400G Coherent 400G CFP2 DCO Module

CFP2 DCO 100G/200G/400G Coherent 400G CFP2 DCO Transceivers Ascent Optics" CP2-400COTU-80CL is a portfolio of digital coherent optical transceiver

Mar 24, 2026

PSE 100G/400G pluggable coherent optics

Our pluggable coherent modules are used across our optical network platforms, converged IP-optical routing and fixed network access solutions. They can also

Sep 19, 2025

JCO400 Coherent Optical Transceivers Datasheet

To learn more about the JCO400-ZR Coherent Optical Transceivers read this data sheet for a summary of the product features, benefits, specifications, and ordering information.

Dec 19, 2025

400G COHERENT OPTICAL TRANSCEIVER FRONTEND

Features • Compact stand-alone coherent optical transceiver frontend • Based on a coherent Tx and Rx Optical Sub-Assembly (TROSA) • Tx and LO laser integrated • Graphical use interface (GUI) for

Jun 05, 2026

400G COHERENT OPTICAL TRANSCEIVER FRONTEND

• Compact transceiver frontend for up to 69 GBd operation • Transmitter includes linear driver amplifiers and DP-IQ modulator • Receiver includes polarization-diverse 90° hybrid, balanced photo- diodes

Sep 15, 2025

400G Coherent Pluggable Optics Use Cases At a Glance

400G Coherent Pluggable Optics Use Cases Supercharge and simplify high-speed transport networks QSFP-DD pluggable transceivers with 400G coherent optical technology deliver breakthrough

Jan 04, 2026

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics Module

The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing amplified networks, and is available in both C-band and

Contact Us

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